

## **EPA Course: Planning and Management of Munitions Response Actions**

**When:** July 26, 27, 28, 2005

**Where:** Radisson Hotel, 2020 Jefferson Davis Highway, Arlington Virginia

**Registration Deadlines:**

- EPA/State staff – May 23, 2005
- DoD/Others – June 15, 2005

**Important Note:** A commitment to attend all three days is required for confirmation of registration. See below for course description.

### **Purpose:**

The purpose of this course is to provide technical training essential to project managers involved in the investigation and cleanup of unexploded ordnance (UXO), discarded military munitions (DMM), and to some extent munitions constituents. The training is intended to give technical project managers enough knowledge of issues to prepare for, plan and conduct a munitions response action. The Systematic Planning Process (SPP) is emphasized as a model for project planning.

The focus of this training is the management of the explosive component of UXO, DMM, and associated soil media (reactive or ignitable in nature). The investigation of munitions constituents is only addressed to the extent that there are issues unique to these types of chemical residues. The course assumes a basic familiarity with the Resource Conservation and Recovery Act (RCRA), and the Comprehensive, Environmental Response, Compensation and Liability Act (CERCLA). Although a regulatory framework is provided, the training focuses on the technical and project management of these response actions.

### **Primary Audience:**

- Regulatory oversight personnel (e.g., EPA, State, and tribal remedial and removal project managers).
- Department of Defense and other Federal agency environmental managers, as space allows.
- Contractor staff supporting specific sites (DoD or other Federal agencies) with the sponsorship of their agency.

### **What this course will do:**

Provide the range of technical and policy information that allows non-ordnance experts to direct the investigation and cleanup of ranges and to oversee the development of investigation and cleanup plans.

### **What this course will not do:**

- Make participants an expert in the management of explosives and associated safety issues. It will make you cognizant of when to call in the experts!
- Equip participants to recognize and handle UXO or DMM.

## **Subjects Covered:**

Using a combination of lectures and hands-on exercises, the following topic areas are covered over a three-day period:

### **Module 1: Framework for Management of MEC**

- DoD Perspective
- Regulatory Framework (Federal and State)
- Munitions 101 (What is a Bomb?)
- Explosive Safety – Issues, role of DDESB

### **Module 2: Preparing for the Investigation:**

- Introduction to Systematic Planning
- Introduction to Conceptual Site Models
- Introduction to Historical Research
- Unique nature of MEC Conceptual Site Models
- Overview of tools for carrying out investigation

### **Module 3: Tools for carrying out the investigation**

- QA/QC throughout the investigation process
- Detection technologies, data processing and discrimination
- Designing a MEC investigation plan
- Use of field analytical techniques and sampling strategies for munitions constituents (MC)
- Risk and Hazard Assessment

### **Module 4: Response Actions/Cleanup**

- Disposal of MEC
- Remediation of ground waters and soils contaminated with MC

## **Registration:**

EPA and State personnel who wish to be assured of a place in the course must submit their registrations by May 23, 2005. If the course is oversubscribed, attendees will be selected on a first come, first served basis. Registration should not be assumed until confirmation of such registration is received. Registration forms can be obtained by contacting contractor support staff listed below:

William Brawner, Versar, Inc.  
6850 Versar Center  
Springfield, VA 22151  
Tel: (703)-642-6847  
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#### ***For other questions contact:***

Doug Maddox, U.S. EPA  
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